

that which succeeds it act upon each other like a pair of jaws, each furnished with an array of sharp conical teeth, while the last compound member of the series plays over the upper surface of the eighteenth segment.

The author then proceeds to describe the muscles which move this complex apparatus. The extensors are small and feeble, but the flexors are, as might be anticipated, more complex and powerful. They are two in number. The first has its origin in the large flask-like dilatation, and is inserted by a tendon into the second compound piece, from which the second muscle arises, and is inserted, also by tendon, into the third piece.—*Proc. Roy. Soc.*

METEOROLOGICAL OBSERVATIONS FOR APRIL 1853.

*Chiswick*.—April 1. Rather boisterous: fine. 2. Cloudy: fine: hazy. 3. Overcast: showery. 4. Cloudy: very fine: rain. 5. Densely overcast: rain: clear. 6. Overcast throughout. 7. Overcast: very fine: clear. 8. Fine: heavy thunderstorm: clear at night frosty. 9. Clear: fine, but cold: overcast. 10. Overcast. 11. Overcast: fine: overcast. 12. Clear: fine: overcast. 13. Cloudy and cold: rain: clear: sharp frost at night. 14. Cloudy. 15, 16. Overcast throughout. 17. Fine: overcast. 18. Very fine. 19. Cloudy: rain. 20. Low white clouds and cold. 21. Rain. 22. Constant rain. 23. Fine. 24. Heavy rain. 25. Snow early A.M., boisterous, with rain. 26. Fine. 27. Hoar-frost: very fine. 28. Light haze: fine. 29. Cold rain. 30. Overcast: very fine.

Mean temperature of the month .....	44°·93
Mean temperature of April 1852 .....	44·81
Mean temperature of April for the last twenty-seven years .	47·21
Average amount of rain in April .....	1·65 inch.

*Boston*.—April 1. Fine: rain A.M. 2. Fine: rain P.M. 3. Cloudy: rain P.M. 4. Cloudy: rain A.M. and P.M. 5. Cloudy. 6. Cloudy: rain P.M. 7. Fine. 8. Cloudy: rain and hail A.M. and P.M. 9. Fine. 10, 11. Cloudy. 12. Fine. 13. Cloudy: rain A.M. 14—18. Cloudy. 19. Cloudy: rain P.M. 20. Cloudy: rain A.M. 21. Cloudy. 22. Cloudy: rain A.M. 23. Fine. 24. Fine: hail A.M. 25. Rain: rain A.M. and P.M. 26. Fine. 27. Fine: rain A.M. 28. Fine. 29. Cloudy: rain P.M. 30. Cloudy.

*Sandwich Manse, Orkney*.—April 1. Drizzle A.M.: rain P.M. 2. Damp A.M. and P.M. 3. Showers A.M.: damp P.M. 4. Hazy A.M.: showers P.M. 5. Showers A.M.: cloudy, S. aurora P.M. 6. Rain A.M.: showers, S. aurora P.M. 7. Showers A.M.: showers, S. aurora P.M. 8. Hail-showers A.M. and P.M. 9. Clear A.M.: rain P.M. 10. Showers A.M.: rain P.M. 11. Bright A.M.: cloudy P.M. 12. Showers A.M.: clear P.M. 13. Drops A.M. and P.M. 14. Clear A.M.: cloudy P.M. 15, 16. Drops A.M. and P.M. 17. Bright A.M.: drops P.M. 18. Showers A.M.: drops P.M. 19. Drops A.M.: rain P.M. 20. Clear A.M.: clear, fine, aurora P.M. 21. Hoar-frost A.M.: clear, fine, aurora P.M. 22. Bright A.M.: hazy, large halo P.M. 23. Showers A.M.: drops P.M. 24. Bright A.M.: sleet-showers P.M. 25. Sleet-showers A.M.: hail-showers P.M. 26. Bright A.M.: clear P.M. 27. Showers A.M.: drops P.M. 28. Clear A.M.: showers P.M. 29. Bright A.M.: clear P.M. 30. Cloudy A.M.: clear P.M.

Mean temperature of April for twenty-six previous years ...	43°·44
Mean temperature of April 1852 .....	47·64
Mean temperature of this month .....	44·49
Average quantity of rain in April for seven previous years .	1·73 inch.